

BROOKHAVEN NATIONAL LABORATORY NATIONAL SYNCHROTRON LIGHT SOURCE		Number: LS-SDL-0009	Revision: B
		Effective: 12/1/05	Page 1 of 2
Subject: RF Conditioning Checklist for DUV-FEL Linac Operation Bldg. 729			
Prepared By: (J.T. Rose)	Reviewed By: (J.T. Rose)	Approved By: (X. Wang)	

*Document must contain approved signatures for validity

RF CONDITIONING
CHECKLIST FOR DUV-FEL LINAC OPERATION
BUILDING 729

Date _____ Time _____

Security System

Gun Hutch Secured _____
 Laser Secured _____
 Linac/Transport Line Searched and Secured _____
 Kirk Keys – Linac Enable _____

Linac Turn-on

Security System Green Light _____
 Area Radiation Monitors Active 1 _____ 2 _____ 3 _____
 Linac Computer Control System on Line _____ Logged in as _____
 Radiation Monitor (radMon.adl) window open and visible _____
 Vacuum System Interlock _____
 Cooling Water Flow Interlock _____
 Linac Water Temperature _____
 Gun Water Temperature _____
 In-line valves **CLOSED** _____ **OPEN** _____
 Modulators A, B, C, E; AC and Aux. Power On _____
 Klystron/Thyratron Filament Timeout _____
 Modulator Arc detector chassis in Operations Mode (unless troubleshooting) _____
 Klystron Focus Solenoid Currents A _____ B _____ C _____
 Steering Magnets, Quadrupoles, Dipoles, Chicane Power supplies On St _____ Q _____ D _____ CH _____
 Linac Repetition Rate _____ Hz
 Save/Restore File Name Loaded _____
 Linac Turn-off _____
 Linac Pulse Off _____
 Save File (if applicable) _____ File Name _____
 Magnets, Focus Solenoid Power Supplies Off _____
 Modulator AC Off _____
 For Controlled Shut-down, Security is Broken at This Point (if required)
 Klystron Filaments to 2/3 Operating Voltage (for overnight or longer shut-down only)

Comments on Unusual Operating Conditions or Events

Signed _____ Date _____

Number: LS-SDL-0009	Revision: B	Effective: 12/1/05	Page 2 of 2

Document Review Frequency
3 Year

NSLS REVISION LOG	
Document Number:	LS-SDL-0009
Subject:	RF Conditioning Checklist For DUV-FEL Linac Operation Bldg. 729

> *See NSLS Quality Control Coordinator for original revision and review signatures* <

REVISION TABLE		
Rev	Description	Date
A	First Release	01/07/2000
B	Radiation Monitor (radMon), PFN Arc Detector	12/01/2005